

## INTERNATIONAL SEARCH REPORT

GB2004/003470

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 B01D53/94 B01J23/63 B01J23/89 B01J23/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 B01D B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/022229 A (UNIV CHICAGO) 18 March 2004 (2004-03-18) claims; figures; examples -----	1-33
X	EP 1 033 161 A (DORNIER GMBH) 6 September 2000 (2000-09-06) column 2, paragraph 13 - column 3, paragraph 14 column 3, paragraph 19 - column 4, paragraph 20; claims 1-7; figures -----	1-33
X	EP 0 714 693 A (RIKEN KK) 5 June 1996 (1996-06-05) page 4, line 6 - page 5, line 50 page 8, line 50 - page 9, line 39; claims 1,2,6,8-11,13 -----	1-33
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search	Date of mailing of the international search report
16 November 2004	23/11/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Eijkenboom, A

## INTERNATIONAL SEARCH REPORT

GB2004/003470

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 947 235 A (MAZDA MOTOR) 6 October 1999 (1999-10-06) column 11, line 56 - column 12, line 3 column 13, line 34 - line 37; claims; figures -----	1-33
X	EP 0 577 438 A (RIKEN KK) 5 January 1994 (1994-01-05) claims; examples 5,6 -----	1-33
X	US 3 857 921 A (TAMURA N ET AL) 31 December 1974 (1974-12-31) table 1, run no. 5 table 2, example no. 7 claims -----	1-33
X	US 5 593 933 A (KUDLA ROBERT J ET AL) 14 January 1997 (1997-01-14) column 2, line 20 - line 41; claims -----	1-33
X	WO 02/16014 A (GILLESPIE ROBERT FREW ; SHAWCROSS JAMES TIMOTHY (GB); RAYBONE DAVID (G) 28 February 2002 (2002-02-28) page 12, line 4 - line 18 claims 1,7-9 -----	1-33
X	EP 0 671 208 A (HONDA MOTOR CO LTD) 13 September 1995 (1995-09-13) claims -----	1-33

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

/GB2004/003470

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 2004022229	A	18-03-2004	WO	2004022229 A1		18-03-2004
EP 1033161	A	06-09-2000	DE	19908023 A1		31-08-2000
			DE	59909112 D1		13-05-2004
			EP	1033161 A1		06-09-2000
EP 0714693	A	05-06-1996	JP	8141371 A		04-06-1996
			JP	8164327 A		25-06-1996
			JP	8168650 A		02-07-1996
			JP	8168651 A		02-07-1996
			JP	8168674 A		02-07-1996
			JP	8196872 A		06-08-1996
			EP	0714693 A1		05-06-1996
			US	5714130 A		03-02-1998
EP 0947235	A	06-10-1999	JP	11342339 A		14-12-1999
			EP	0947235 A1		06-10-1999
EP 0577438	A	05-01-1994	JP	6071139 A		15-03-1994
			JP	6114266 A		26-04-1994
			JP	6142523 A		24-05-1994
			JP	6154607 A		03-06-1994
			JP	6154613 A		03-06-1994
			JP	6178937 A		28-06-1994
			EP	0577438 A2		05-01-1994
			US	5747410 A		05-05-1998
			US	5744111 A		28-04-1998
			DE	69330222 D1		21-06-2001
			DE	69330222 T2		25-04-2002
			JP	3508066 B2		22-03-2004
			JP	6190280 A		12-07-1994
			JP	6238164 A		30-08-1994
			JP	7163878 A		27-06-1995
US 3857921	A	31-12-1974	JP	49110590 A		21-10-1974
			JP	49128865 A		10-12-1974
			JP	49053156 A		23-05-1974
US 5593933	A	14-01-1997	NONE			
WO 0216014	A	28-02-2002	AU	7762801 A		04-03-2002
			BR	0113285 A		15-07-2003
			CA	2418277 A1		28-02-2002
			CN	1469771 T		21-01-2004
			EP	1309390 A1		14-05-2003
			WO	0216014 A1		28-02-2002
			JP	2004506505 T		04-03-2004
			PL	359186 A1		23-08-2004
			US	2003180196 A1		25-09-2003
EP 0671208	A	13-09-1995	JP	3447384 B2		16-09-2003
			JP	7163871 A		27-06-1995
			CA	2150376 A1		06-04-1995
			DE	69424766 D1		06-07-2000
			DE	69424766 T2		28-09-2000
			EP	0671208 A1		13-09-1995
			US	5804526 A		08-09-1998
			WO	9509047 A1		06-04-1995

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

/GB2004/003470

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0671208	A	JP 2003181296 A	02-07-2003